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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
| 10/798,671 | 03/11/2004 | Jeffery Arnold Hales | 0960-029 | 6310 |
| 7590 | 08/04/2008 | | EXAMINER | |
| JOHN L. DOUGHTY | | | JAKOVAC, RYAN J | |
| ARRIS INTERNATIONAL INC. | | | | |
| 3871 LAKEFIELD DRIVE | | | ART UNIT | PAPER NUMBER |
| SUWANEE, GA 30024 | | | 2145 | |
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

| | | |
|------------------------------|--------------------------------------|-------------------------------------|
| Office Action Summary | Application No. 10/798,671 | Applicant(s) HALES ET AL. |
| | Examiner RYAN J. JAKOVAC | Art Unit 2145 |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ____ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If no period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 09 June 2008.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 4-7 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) Claim(s) ____ is/are allowed.
- 6) Claim(s) 4-7 is/are rejected.
- 7) Claim(s) ____ is/are objected to.
- 8) Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on ____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. ____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO/SB/08)
 Paper No(s)/Mail Date ____
- 4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date ____
- 5) Notice of Informal Patent Application
 6) Other: ____

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

2. Claims 4 and 6 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. Claim 1 recites a “Power Line Communications (PLC) interface.” Claim 1 further recites “an interface to a subscriber coaxial network.” Claim 6 recites “a plurality of MUT interfaces.” These “interfaces” are not disclosed in the written description.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless —

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 4-7 are rejected under 35 U.S.C. 102(b) as being anticipated by US 6,040,759 to Sanderson.

Regarding claim 4, Sanderson teaches a Multi-Tenant Unit (MTU) interface, comprising: a Power Line Communications (PLC) interface (Sanderson, abstract, broadband multimedia services are provided over high voltage power lines.); an interface to a subscriber coaxial network servicing multiple tenant units (Sanderson, abstract, broadband multimedia services between two locations. Fig. 9, coaxial cable connecting customer premises. See also, col. 9, line 1-60.); and a bi-directional bridge, adapted to provide bi-directional transport of standard media protocols from the PLC interface to the coaxial interface (Sanderson, fig. 3, bi-directional transport. See also fig. 6-7.).

Regarding claim 5, Sanderson teaches the MTU interface of claim 4, further comprising: the PLC interface adapted to extract RF signals from a power line network and to communicate the RF signals over the coaxial network (Sanderson, col. 5, line 10-67. See also at least fig. 3, col. 6, line 1-65. See also abstract.).

Regarding claim 6, Sanderson teaches a system comprising: a plurality of MTU interfaces, each MTU interface comprising a Power Line Communications (PLC) interface (Sanderson, abstract, broadband multimedia services are provided over high voltage power lines.), an interface to a subscriber coaxial network servicing multiple tenant units (Sanderson, abstract, broadband multimedia services between two locations. Fig. 9, coaxial cable connecting

customer premises. See also, col. 9, line 1-60.), and a first bi-directional bridge; adapted to provide bi-directional transport of standard media protocols from the PLC interface to the coaxial interface (Sanderson, fig. 3, bi-directional transport. See also fig. 6-7.), the PLC interface adapted to extract RF signals from a power line network and to communicate the RF signals over the coaxial network (Sanderson, col. 5, line 10-67. See also at least fig. 3, col. 6, line 1-65. See also abstract.).

Regarding claim 7, Sanderson teaches a method comprising: applying an MTU interface to extract RF signals from a power line network and distribute the RF signals over a subscriber coaxial network to multiple tenant and/or office locations (Sanderson, col. 5, line 10-67. See also at least fig. 3, col. 6, line 1-65. See also abstract.).

Response to Arguments

5. Applicant's arguments with respect to claims 1-3 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to RYAN J. JAKOVAC whose telephone number is (571)270-5003. The examiner can normally be reached on Monday through Friday, 7:30 am to 5:00 pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jason D. Cardone can be reached on (571) 272-3933. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

RJ

/Jason D Cardone/
Supervisory Patent Examiner, Art Unit 2145